L Number	Hits	Search Text	DB	Time stamp
8	733	704/233.ccls. 704/225.ccls. 704/223.ccls.	USPAT	2004/02/03 13:47
-	88	(decod$4) and (LPC (linear near3 prediction near3 coefficient)) and (smooth$4 near4 gain)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 11:39
-	55	(CELP) and (LPC (linear near3 prediction near3 coefficient)) and (smooth$4 near4 gain)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 12:17
-	2	(CELP LPC6) and (smooth$4 near4 gain with (past previous))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 12:22
-	22	(smoothing near3 circuit) and (LPC CELP)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 12:33
-	36	((adaptive near3 gain) same smooth$4) and (LPC CELP)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 12:35
-	10	((adaptive near1 gain) same smooth$4) and (LPC CELP)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 12:48
-	231	((smooth$4 averag$4) near4 gain) with (threshold limit)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 12:49
-	23	((smooth$4 averag$4) near4 gain) with (threshold limit) and (CELP)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 14:17
-	26	((smooth$4 averag$4) with gain) with (threshold limit) and (CELP)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 14:37
-	143	(gain) with (threshold limit) and (CELP)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 14:37
-	20	((gain) with (threshold clamp limit$4)) and (CELP) and (smooth$4 with (norm excitation))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 14:50
-	0	((gain) with (threshold clamp limit$4)) and (CELP) and (smooth$4 with (norm excitation) same limit$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 14:40
-	129	NEC and celp	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 14:51
-	1	NEC and celp and (smooth$4 with gain)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 14:55
-	26	celp and (smooth$4 with gain) and (smooth$4 with excitation)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 14:55
-	87	celp and (smooth$4 with gain)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 17:09
-	323	704/220.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 17:09

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-	477	(smooth$4 averag$5) same (excitation and gain)	USPAT	2004/01/29 09:51
-	95	(smooth$4 averag$5) same (excitation and gain) and (LPC CELP)	USPAT	2004/01/29 09:54
-	495	((smooth$4 averag$5) same (excitation)) and ((smooth$4 averag$5) same (gain))	USPAT	2004/01/29 09:54
-	67	((smooth$4 averag$5) same (excitation)) and ((smooth$4 averag$5) same (gain)) and (CELP)	USPAT	2004/01/29 09:55
-	22	((smooth$4 averag$5) same (excitation)) and ((smooth$4 averag$5) same (gain)) and (gain same (variation fluctuation)) and (LPC CELP)	USPAT	2004/01/29 10:29
-	20	((smooth$4 averag$5) same (gain)) and (gain same (variation fluctuation) same filter) and (LPC CELP)	USPAT	2004/01/29 10:29
-	7	(CELP LPC) and ((gain with smooth$4) same (difference))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 11:28
-	23	(CELP LPC) and ((gain with averag$4) same (difference))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 13:04
-	3	(excitation near4 normaliz$4) same smooth$4 and (LPC CELP)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 13:06
-	1	(excitation near4 normaliz$4) same averag$4 and (LPC CELP)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 13:07
-	49	(excitation near4 normaliz$4) and (LPC CELP)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 13:07
-	295	(norm normalize) with (excitation voice speech)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 14:01
-	570	(norm normalize) with (excitation voice speech)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 14:01
-	37	((norm normalize) with (excitation voice speech)) and (smooth$4 with norm$10)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 14:04
-	13	((norm normalize) with (excitation voice speech)) and (((averag$4 smooth$4) with norm$10) same ((difference variation fluctuation)))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 14:14
-	8	((norm normalize) with (excitation voice speech energy)) and (((averag$4 smooth$4) with norm$10) same ((difference variation fluctuation))) and (decoder)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 14:16
-	205	(smooth$4 with (excitation pitch)) and (decoder) and (norm$10)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 14:17
-	90	(smooth$4 with (excitation pitch)) and (decoder) and (norm normalize normalization)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 14:17
-	3	(smooth$4 with (excitation pitch) with (norm normalize normalization)) and (decoder)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 14:35
-	141	(smooth$4 averag$4) near4 (norm)	USPAT	2004/01/29 14:23

—	23	(smooth$4 averag$4) near4 (norm) and decoder	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 14:25
—	31	(smooth$4 with (excitation pitch) with (interpol$7)) and (decoder)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 14:43
—	4	(smooth$4 with (excitation pitch) with (interpol$7) same (norm normaliz$6))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 14:47
—	59	(smooth$4 with (excitation pitch)) and ((interpol$7) same (norm normaliz$6))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 14:48
—	40	(smooth$4 with (excitation pitch)) and ((interpol$7) with (norm normaliz$6))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 14:49
—	2	(smooth$4 with (excitation pitch)) and ((interpol$7) with (norm normaliz$6) same threshold)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 14:50
—	94	(celp) and (adaptive near3 gain) and (normaliz$6) and (smooth$4 averag$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 15:16
—	48	(celp) and (adaptive near3 gain) and (normaliz$6) and ((smooth$4 averag$4) with gain)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 15:19
—	16	(celp) and (adaptive near3 gain) and (normaliz$6) and (((smooth$4 averag$4) with gain) same threshold)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 15:34
—	21	autocorrelation near3 excitations	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 15:33
—	16	(celp) and (adaptive near3 gain) and ((norm normalization) with (smooth$4 averag$4))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 15:35
—	46	(CELP) and (limit$4 near3 gain)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 17:27
—	4	(CELP) and (limit$4 near3 smooth$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 16:02
—	306	(CELP) and ((adaptive near3 gain) AGC)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 17:28
—	3	(CELP) and (((adaptive near3 gain) AGC) same smooth$4 same threshold)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 17:34
—	40	(CELP) and (((adaptive near3 gain) AGC) same smooth$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 17:35
—	112	(coder decoder) and (((adaptive near3 gain) AGC) same smooth$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 17:38
—	11	(coder decoder) and (((adaptive near3 gain) AGC) same smooth$4 same threshold)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 17:55

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-	0	((smooth$4 near3 "excitation gain") and Celp)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 17:56
-	47	((smooth$4 near3 gain) and Celp)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 18:15
-	2	"129752" and agassy	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 18:09
-	3	agassy and gain	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 18:09
-	10	((smooth$4 near3 gain) same threshold) and (coder decoder)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 18:19
-	153	((smooth$4 near3 gain)) and (coder decoder) and threshold	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 18:37
-	44	interpolat$4 near4 smooth$4 and celp	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 19:00
-	241	((interpolat$4 smooth$4) same gain) and celp	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 19:01
-	138	((interpolat$4 smooth$4) with gain) and celp	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 19:01
-	11	((interpolat$4 smooth$4) with gain same threshold) and celp	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 19:09
-	1409	((interpolat$4 smooth$4) with gain) and threshold	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 19:05
-	1091	(smooth$4 with gain) and threshold	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 19:05
-	64	(smooth$4 with gain) and threshold and celp	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 19:05
-	66	(smooth$4 with gain) and (limit threshold) and celp	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 19:05
-	8	("4677423" | "4969192" | "5327520" | "5381512" | "5675702" | "5960389" | "6072844" | "6173257").PN.	USPAT	2004/01/29 19:07
-	42	(smooth$4 with gain same threshold) and speech	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/30 17:26
-	217	(gain same window$4) and (LPC CELP)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/30 12:50
-	10	6330535.pn. 6311154.pn. 6278971.pn. 6226604.pn. 5983171.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/30 14:14

–	112	(gain near3 (normaliz$4 smooth$4)) and celp	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/30 12:57
–	99	((gain near3 (normaliz$4 smooth$4)) and celp) and (excitation)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/30 12:57
–	22	((gain near3 (normaliz$4 smooth$4)) and celp) and (excitation with normaliz$4) and amplitude	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/30 12:57
–	11	gain and predetermined and (audio or speech or voice or vocal) and (threshold or limit$4) and (smooth$4 or normaliz$4) and (linear adj predict$6) and encod$4 and 704/$.ccls. and (6330535.pn. 6311154.pn. 6278971.pn. 6226604.pn. 5983173.pn. 5926788.pn. 5828996.pn. 5684920.pn. 5664055.pn. 5659661.pn. 5325461.pn.)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/30 13:23
–	721	adaptive adj gain	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/30 13:23
–	77	(adaptive adj gain) and celp	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/30 13:23
–	72	((adaptive adj gain) and celp) and (excitation)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/30 13:24
–	51	((adaptive adj gain) and celp) and (excitation) and amplitude	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/30 13:24
–	47	((adaptive adj gain) and celp) and (excitation) and amplitude and (threshold limit)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/30 13:27
–	29	((adaptive adj gain) and celp) and (excitation) and amplitude and (threshold limit) and ((normaliz$6 limit$4 averag$4) near3 gain)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/30 13:28
–	31	((adaptive adj gain) and celp) and (excitation) and amplitude and (threshold limit) and ((normaliz$6 smooth$4 averag$4) near3 gain)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/30 13:30
–	6	((adaptive adj gain) and celp) and (excitation) and amplitude and (threshold limit) and ((normaliz$6 smooth$4 averag$4) near3 gain same threshold)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/30 13:34
–	17	((adaptive adj gain) and celp) and (excitation) and amplitude and (threshold limit) and ((normaliz$6 smooth$4 averag$4) near3 gain) and (gain same threshold)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/30 13:34
–	29	((adaptive adj gain) and celp) and (excitation) and amplitude and (threshold limit) and ((normaliz$6 smooth$4 averag$4) near3 gain) and (gain same (limit bandpass threshold))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/30 13:36
–	32	(adaptive adj gain) and (excitation) and amplitude and (threshold limit) and ((normaliz$6 smooth$4 averag$4) near3 gain) and (gain same (limit bandpass threshold))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/30 13:37
–	77	(adaptive near3 gain) and (gain with (threshold limit)) and excitation and (CELP decoder encoder)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/30 14:23

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–	61	(adaptive near3 gain) and (gain with (threshold limit)) and excitation and (CELP decoder encoder)	USPAT; EPO; JPO; DERWENT	2004/01/30 14:31
–	74	(gain near (normaliz$5 smooth$4 averag$4 bandpass)) and (gain with (threshold limit)) and excitation	USPAT; EPO; JPO; DERWENT	2004/01/30 14:32
–	33	(gain near (normaliz$5 smooth$4 averag$4 bandpass)) and (gain with (threshold limit)) and excitation and 704/$.ccls.	USPAT; EPO; JPO; DERWENT	2004/01/30 14:41
–	20	(gain near (normaliz$5 smooth$4 averag$4 bandpass)) and (gain with (threshold)) and excitation and 704/$.ccls.	USPAT; EPO; JPO; DERWENT	2004/01/30 14:45
–	1656	((adaptive automatic) adj gain adj control) and threshold and (celp coder decoder)	USPAT	2004/01/30 15:31
–	30	((adaptive automatic) adj gain adj control) and (celp coder decoder) and (gain same threshold) and 704/$.ccls.	USPAT	2004/01/30 15:34
–	38	((adaptive automatic) adj gain adj control) and (celp coder decoder) and (smoothing near3 circuit)	USPAT	2004/01/30 15:35
–	15	((adaptive automatic) adj gain adj control) and (celp coder decoder) and ((smoothing near3 circuit) same gain)	USPAT	2004/01/30 15:39
–	99	((adaptive automatic) adj gain adj control) and (celp coder decoder) and ((normalize normalizing smoothing) near3 gain)	USPAT	2004/01/30 15:59
–	26	(celp) and ((normalize normalizing smoothing) near3 gain)	USPAT	2004/01/30 15:59
–	40	(celp) and ((normalize normalizing smooth$4) near3 gain)	USPAT	2004/01/30 16:09
–	151	(filter with gain) and ((adaptive automatic) near3 gain) and (celp) and 704/$.ccls.	USPAT	2004/01/30 16:10
–	2	((bandpass near3 filter) with gain) and ((adaptive automatic) near3 gain) and (celp) and 704/$.ccls.	USPAT	2004/01/30 16:14
–	1	((smoothing near3 filter) same gain) and ((adaptive automatic) near3 gain) and (celp) and 704/$.ccls.	USPAT	2004/01/30 16:14
–	0	((smoothing near3 filter) with gain) and ((adaptive automatic) near3 gain) and (celp) and 704/$.ccls.	USPAT	2004/01/30 16:15
–	1	((smoothing near3 filter) same gain) and ((adaptive automatic) near3 gain) and (celp) and 704/$.ccls.	USPAT	2004/01/30 16:17
–	191	((adaptive automatic) near3 gain) and (decoder encoder) and (gain near4 (normaliz$4))	USPAT	2004/01/30 16:18
–	66	((adaptive automatic) near3 gain) and (decoder encoder) and (gain near4 (normaliz$4)) and (gain with (threshold limit))	USPAT	2004/01/30 16:19
–	21	((adaptive automatic) near3 gain) and (decoder encoder) and (gain near4 (normaliz$4)) and (gain with (threshold limit)) and 704/$.ccls.	USPAT	2004/01/30 16:31
–	2	((adaptation) near3 gain) and (decoder encoder) and (gain near4 (normaliz$4)) and (gain with (threshold limit)) and 704/$.ccls.	USPAT	2004/01/30 16:52
–	4	((adaptation) near3 gain) and (decoder encoder) and (gain with (filter window$4)) and (gain with (threshold limit)) and 704/$.ccls.	USPAT	2004/01/30 16:52
–	41	jarvinen and gain and threshold	USPAT	2004/01/30 17:14
–	22	6330535.pn. 6311154.pn. 6278971.pn. 6226604.pn. 5983173.pn. 5926788.pn. 5828996.pn. 5684920.pn. 5664055.pn. 5659661.pn. 5325461.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/03 13:42

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-	1	704/$.ccls. and windowing near3 normaliz$4	USPAT	2004/02/02 12:11
-	211	multipl$5 near3 excitation and 704/$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/02 13:32
-	5	(multipl$5 near3 excitation with (averag$4 smooth$4)) and 704/$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/02 13:32